Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. – 20. Cancelled.

21.   (currently amended) A computer implemented method for analyzing the content of a digital image, comprising:

receiving an image selection that uniquely identifies a digital image stored in a data storage area comprising a plurality of digital images;

receiving an algorithm selection that uniquely identifies a set of image processing instructions, wherein the image processing instructions carry out an analysis of the content of the digital image and do not modify the content of the digital image;

receiving a set of image processing parameters;

retrieving a first sub-region of the digital image from the data storage area;

executing the set of image processing instructions on the first sub-region;

storing the results of the image processing on the first sub-region;

retrieving a second sub-region of the digital image from the data storage area;

executing the set of image processing instructions on the second sub-region;

storing the results of the image processing on the second sub-region; and

combining the stored results from the first sub-region with the stored results of the second sub-region into an analysis of the digital image.

22.   (original) The method of claim 21, wherein the digital image comprises a plurality of sub-regions and each sub-region is processed such that the set of image processing instructions is executed on the entire digital image.

23. – 25. Cancelled.

26. (new) The method of claim 21, wherein the set of image processing parameters controls the execution of the image processing instructions.

27. (new) The method of claim 21, wherein the set of image processing parameters defines a sub-region of the selected digital image.

28. (new) A computer implemented system for analyzing the content of a digital image, comprising:

a data storage area comprising a plurality of digital images;

an image processing algorithm comprising instructions for analyzing a digital image;

an execution manager configured to execute the image processing algorithm instructions to analyze the content of a digital image and stored the results of the analysis.

an image handler configured to obtain a portion of a digital image from the data storage area and provide the portion to the execution manager for analysis, wherein the image handler obtains a first portion of a digital image and the execution manager executes the image processing algorithm on the first portion and stores first results, and the image handler obtains a second portion of the digital image and the execution manager executes the image processing algorithm on the second portion and stores second results and the first and second results are combined into an analysis of the digital image.

29. (new) The system of claim 28, wherein the data storage area is accessed via a data communication network.

30. (new) The system of claim 28, wherein a plurality of image processing algorithms are stored in the data storage area.

31. (new) The system of claim 28, wherein the image processing algorithm comprises a plurality of subroutines.

32. (new) The system of claim 31, wherein the execution manager receives at least a portion of the plurality of subroutines via a data communication network.

33.   (new) The system of claim 32, wherein the execution manager retrieves at least a portion of the plurality of subroutines from the data storage area.

34.   (new) The system of claim 28, wherein the execution manager is further configured to receive a plurality of parameters, wherein the parameters define a sub-region of the digital image retrieved from the data storage area.

35.   (new) The system of claim 28, wherein the execution manager is further configured to receive a plurality of parameters, wherein the parameters control the execution of the image processing algorithm instructions.

36.   (new) A computer implemented method for analyzing the content of a digital image, comprising:

　　　　receiving an image selection;

　　　　receiving an algorithm selection;

　　　　retrieving a first sub-region of the digital image from the data storage area;

　　　　executing the selected algorithm on the first sub-region;

　　　　storing the results of the algorithm execution on the first sub-region;

　　　　retrieving a second sub-region of the digital image from the data storage area;

　　　　executing the selected algorithm on the second sub-region;

　　　　storing the results of the algorithm execution on the second sub-region; and

　　　　combining the stored results from the first sub-region with the stored results of the second sub-region into an analysis of the digital image.